



Basis of Estimates Updates

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(Formerly State Specifications and Estimates Office)



Innovative Solutions for tomorrow's transportation needs

Outline

- Introduction & BOE Basics, with DQE
- BOE Updates- by Spec/Item number
 - January 2015 lettings
 - July 2015 lettings
 - January 2016 lettings
 - Future- possible changes
- Summary Boxes & Designer Interface
- Q/A



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Introduction & BOE Basics

- PSE Package (Plans, Specifications, and Estimates)
 - Plans & Design Standards
 - Show where (project location)
 - Show size, shape
 - Specifications
 - Description
 - Materials or Performance Requirements
 - Construction or Acceptance Criteria
 - Method of Measurement: Along top, plan view, per each,
 - Basis of Payment: Includes incidentals, MOT- installation & removal, testing
 - Estimates
 - Pay Item, Quantity, Unit Price, Extended Amount



Introduction & BOE Basics

- Specifications
 - Standard Specifications (e-book)
 - Supplemental Specifications
 - Special Provisions
 - Technical Special Provisions
 - Developmental Specifications (approvals required)
- Governing Order
- What goes where?
 - Info to Designer: Handbooks, manuals, Instruction for Design Standards (IDS)
 - Info to Contractor: Contract Documents- Plans/standards, Specifications



Introduction & BOE Basics

- Basis of Estimates (BOE)
 - Pay item structure 350-2-ABB
 - Specification Section number
 - Variables based on size, shape, materials, etc.
 - Pay item details
 - Effective/Obsolete dates
 - How/when to use or NOT to use
- If the specification doesn't apply, don't use the pay item.
 - Ask for the correct pay item number
 - Request a new pay item
 - Modify the specification- contact Specs Office for assistance



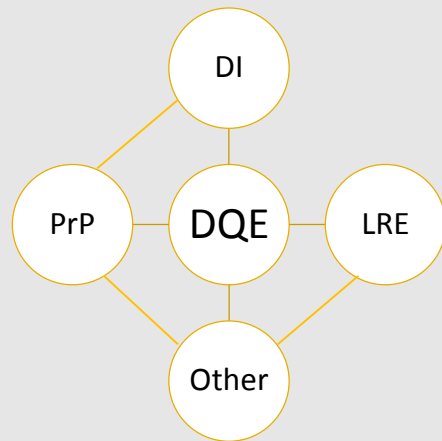
DQE and related Systems

- DQE: Design Quantities and Estimates
 - New Application for FDOT Estimators
 - BOE (new; replaces an Access database)
 - Master Pay Item File



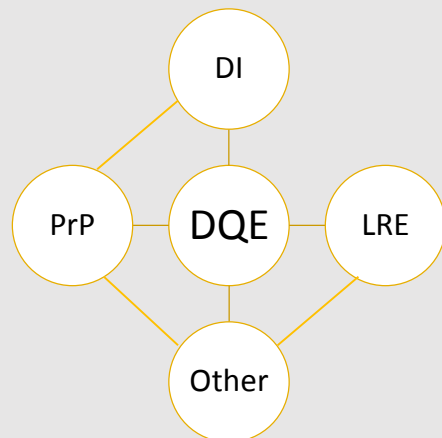
DQE and related Systems

- DQE: Design Quantities & BOE
- LRE: Long Range Estimates
- PrP: Project Preconstruction
 - Replaces TRNSPORT
 - aka wT or web Trnsport
- DI: Designer Interface
- Other: FM, Work Program, SiteManager, DSS, LAS, etc.



DQE and related Systems

- Designer Interface
 - “Appearance” has minimal changes
 - Programming has significant changes
- New error checks- dates
- Precision checks- significant figures
- Please report any unusual input or output



Implementation

- Coordinated by letting date
 - Standards (July posting= January letting, January posting=July letting)
 - Specifications
 - Pay Items
 - Handbooks/Manuals
 - BOE: Updated as needed, with implementation dates for pay items
 - PPM: Updated January, with Bulletins as needed
- C-Team



Implementation

- Bulletins
 - Effort to reduce the number of Bulletins
 - Used to communicate changes in Policy: PPM, Specs, Pay Items, Standards, etc.
- Memos
 - Used to communicate other non-policy information: “heads up”, clarification, or other interpretation
- Register on the Contact Database

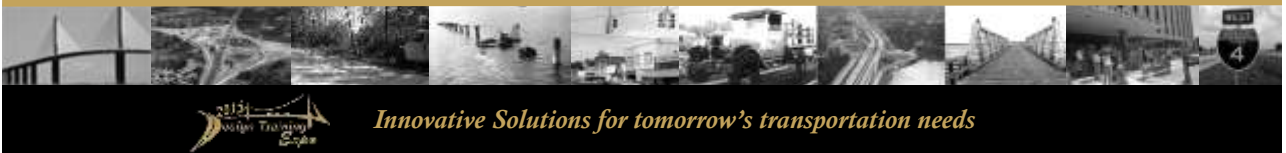


BOE Updates

- Major Changes- by pay item
- Watch for implementation dates (Jan 15, Jun 15, Jan 16, pending)
- [Go to the Bulletin/Memo for complete details](#)

Want early notice?

- **Specifications:** Watch the Industry Review web page. Track specification changes.
- **Standards:** Internal Reviews, updated review process under development



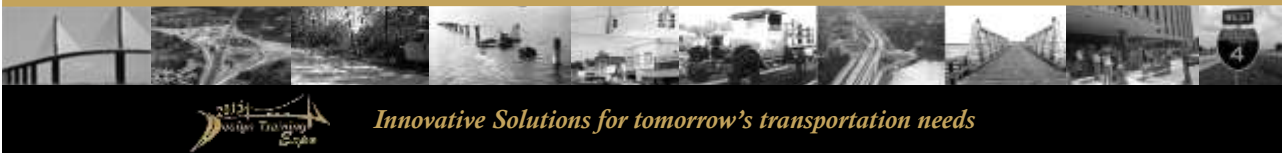
102-2 Special Detours

- Temporary Asphalt
- DO NOT Quantify the Earthwork or Asphalt
- Show location in the plans
- Per the specification, the Contractor must install, maintain, remove the detour, and restore the location
- Does NOT include permanent earthwork, landscaping, erosion control, drainage, or other permanent work
- Does NOT include signs, barricades, or other MOT devices
- Overbuild: the correction of cross slope on existing facilities



Temporary Signalization & Maintenance Temporary Detection & Maintenance

- 102-104 Temporary Signalization & Maintenance
- 102-107-1 Temporary Traffic Detection & Maintenance
- Read the BOE details
- Estimate quantities based on the Projects TOTAL days
- Pay based on the days used, per the spec
- Use the correct Summary Box



102-74- A Pedestrian LCD

- Pedestrian Longitudinal Channelization Device
- **July 2014 – December 2015: paid per LF**
 - Paid when installed, regardless of duration
 - 102-74-5
- **January 2016: paid per ED**
 - Allows for payment consistent with other MOT devices
 - 102-74-6
 - UPDATE SUMMARY BOX QUANTITY



108 Monitor Existing Structures

- Formerly known as “Protection of Existing Structures”
- 455 item valid through June 2015
- Specification changes effective July 2015
- New items effective July 2015
- Guidance was updated after the bulletin, due to industry concerns
- New guidance will be published in the PPM
- Units changed from “LS” to “EA” to “LS”
- Tabulate locations in accordance with the Spec & Guidance



430-94 Desilting Pipe

- Intended for Maintenance Use
- Project Specific request by Maintenance Office
- For limited (silted) length
- DO NOT include for new pipe



<http://www.multi-drain.ca/index.php/services-2/sewer-drain-cleaning/>



Aluminum Bullet Railing

- 460-70- valid through December 2015
- 515-4 effective January 2016
- Specifications have been updated for January implementation.
- Updated Design Standards and IDS



540- High Tension Cable Barrier

- Refer to Developmental Design Standard
- 904-540 developmental pay item
- Must be approved for project specific locations
- **Contact Derwood Sheppard, State Roadway Design Office**
- Effective July 2015



546- Rumble Strips or Rumble Stripe

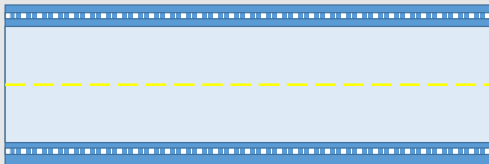
- Rumble Strips on shoulders
- Rumble Stripe on edge line and center line



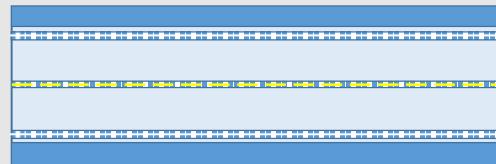
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546- Rumble Strips or Rumble Stripe

- Rumble Strips on shoulders
- Rumble Stripe on edge line and center line



546 Rumble Strip, GM
Paid for length actually applied
(July 2015 spec change for measurement)



546 Rumble Strip, GM
+ 711 Thermoplastic, GM
Extra layer of paint included under 710-90



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695- Traffic Monitoring System

- Transportation Statistics
- New Specification Section replaces 741 through 749
- Updated Design Standard 18000
- Bulletin pending with details
- **695 Spec available on Industry Review/Specs Tracking**
- Effective January 2016 lettings



700-?? Reflective Panel

- Approved for Wrong Way signs at interchange
 - MUTCD option for signs
 - Guidance issued through Bulletin
- Approved for Rail Road cross buck
 - MUTCD future requirement
- Other applications are pending.
 - Guidance expected in the TEM for consistent use
 - “Everywhere” vs “Only Wrong Way Signs”
- **January 2016 spec; early implementation info pending**



710 through 713

- Pavement Marking Materials Selection
 - Consistent use of materials
 - Product selection based on pavement surface and type of marking
- Roadway Design Bulletin and Estimates Bulletin were written to compliment each other
- Specifications were updated for consistent units of measurement
- Pay Items were updated for the materials/units



710-90 Final Surface Marking

- Required by specification for all projects with pavement markings
- Pending change for January 2016
 - Address Rumble Stripe- additional stripe and RPMs
 - 1 layer: Thermoplastic and/or other permanent markings
 - 2 layers: Paint now; permanent markings in a separate contract
 - 2-3 layers: when Rumble Stripe is used



711 Preformed Thermoplastic

- Route Shield Pavement Markings
 - Use in accordance with the TEM
 - Pay Item effective July 2015; may be implemented earlier



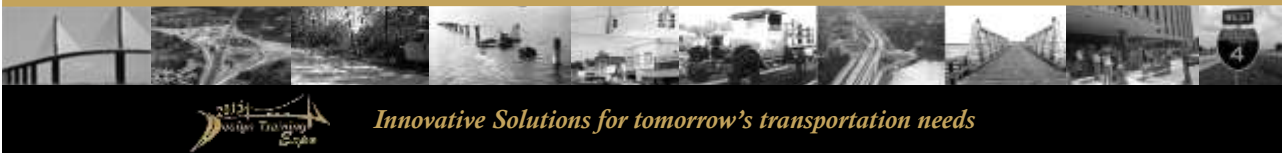
BOE Updates- Future- Possible changes

- C-Team
- **DO NOT IMPLEMENT** ahead of coordinated changes
 - Specifications
 - Standards
 - Pay items
 - Other handbooks/manuals
 - BOE
 - PPM
 - CPAM
- Report inconsistencies to all affected offices.



Summary Boxes

- CADD Webinars posted online
- Denise Broom- ECSO
- Missy Hollis- Estimates
- Chapter 8 of the BOE
 - Sample Summary Boxes
 - Rules for using the boxes
 - **PENDING**: Examples of lessons learned, good/bad practices



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Thank You for your time

